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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/003,737	11/02/2001	Martin Shiu	23132-011	2708

7590 06/01/2004  
MINTZ, LEVIN, COHN, FERRIS,  
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EXAMINER

DAS, CHAMELI

ART UNIT PAPER NUMBER

2122

DATE MAILED: 06/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

### Application No.

10/003,737

### Applicant(s)

SHIU, MARTIN

### Examiner

C.DAS

### Art Unit

2122

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 11/02/01.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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**DETAILED ACTION**

1. Claims 1-11 are pending.

***Claim Rejections - 35 USC § 112***

2. Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With respect to claim 10, the limitation "one of the service models can an interface function" makes the claim vague and indefinite. The examiner interprets the limitation of the claim as "one of the service models provides an interface function".

***Claim Rejections - 35 USC § 102***

3. A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

4. Claims 1-11 are rejected under 35 U.S.C. 102(a) as being anticipated by Bohrer et al (Bohrer), US 6,106,569.

*As per claim 1, Bohrer discloses:*

- storing a first set of object models representing data of an application (col 10, lines 61-65, col 11, lines 15-17, col 5, lines 54-60, col 11, lines 1-5)

- each object model corresponding to a basic object type (col 6, lines 50-61, col 7, lines 4-14)
- selecting a subset of service objects from a stored set of service objects each of which can perform a function with respect to data in at least one of the object models (col 6, lines 50-67, col 7, lines 1-22)
- defining a flow process representing an order for operation of the subset of service objects (col 10, lines 30-38, col 7, lines 60-64).

*As per claim 2, Bohrer discloses:*

*basic object include:*

- a primitive (col 6, lines 51-61), where " date" , " time" are primitive type
- a class (abstract, lines 8-19)
- an object array (col 10, lines 8-12).

*As per claim 3, Bohrer discloses:*

- class object type includes a plurality of attributes, each of which is basic object type (col 8, lines 24-35, col 10, lines 39-52).

*For claim 4, (col 10, lines 8-52).*

*For claim 5, (col 8, lines 1-45).*

*For claim 6, (abstract, col 5, lines 62-67, col 6, lines 1-4, col 11, lines 15-17)*

*For claim 7, (col 5, lines 10-67, col 6, lines 1-5).*

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*For claim 8, see the rejection of claim 1 above.*

*For claim 9, Bohrer discloses:*

- means for receiving an application model representing data in the application software (abstract, col 6, lines 56-59)
- means for classifying each data element in the application model as an object model (col 10, lines 39-53)
- means for storing each object model from the classifying means (col 10, lines 59-67).

*For claim 10, Bohrer discloses:*

- at least one of the service models provides an interface function with at least one resource (col 5, lines 15-25, col 6, lines 28-36).

*For claim 11, see the rejection of claim 1 above.*

#### **Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

TITLE: Dataflow processing with events, US 6272672 B1

TITLE: Method for mapping types stored in a model in an object-oriented repository to language constructs for A C binding for the repository, US 5889992 A

\*\*TITLE: System and method for defining and managing reusable groups software constructs within an object management system, US 6427230 B1

TITLE: Multitasking computer system for integrating the operation of different application programs which manipulate data objects of different types, US 5421012 A

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TITLE: Program-development environment for use in generating application programs,  
US 6701513 B1

TITLE: Methods for laying out memories bidirectionally for object oriented applications,  
US 6631513 B1

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 703-305-1339. The examiner can normally be reached on Monday-Friday from 7:00 A.M. to 3:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Tuan Dam can be reached at 703-305-4552. The fax number for this group is: (703) 872-9306.

An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 703-305-9600.

*Chameli C. Das*

**CHAMELI C. DAS  
PRIMARY EXAMINER**

*5/26/04*

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